RCA TRIACS

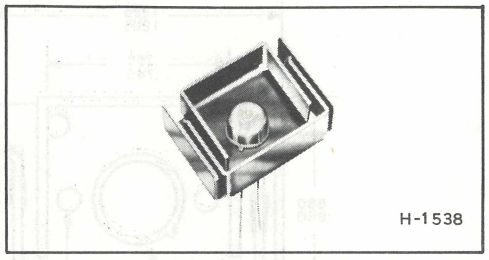
Having Factory-Attached Heat Radiators

40511 – 40512

File No. 263

This bulletin sheet is to be used in conjunction with the data sheet for types 40431 and 40432 dated 3/67.

RCA 40511 and 40512 are integral-trigger type gated bidirectional thyristors having integral heat radiators. They are variants of the 40431 and 40432, respectively.



The 40511 and 40512 are designed to meet the needs of many power-control and power-switching applications in which heat sinking is required but where the design of special cooling systems to achieve the full current rating of the thyristor is not warranted.

The radiator design of these devices has tabs to allow printed-circuit board mounting and holes to allow chassis mounting if desired.

Thyristor with Heat Radiator	Thyristor without Heat Radiator
40511 40512	40431 40432

CONDUCTION RATING CHART
(FREE-AIR TEMPERATURE)

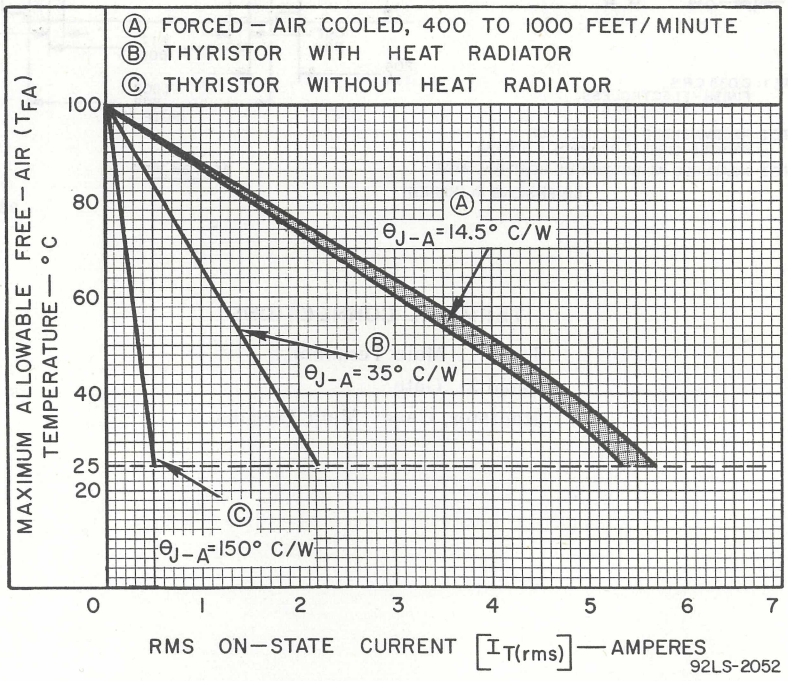


Fig. 1

RADIO CORPORATION OF AMERICA
ELECTRONIC COMPONENTS AND DEVICES, HARRISON, N.J.

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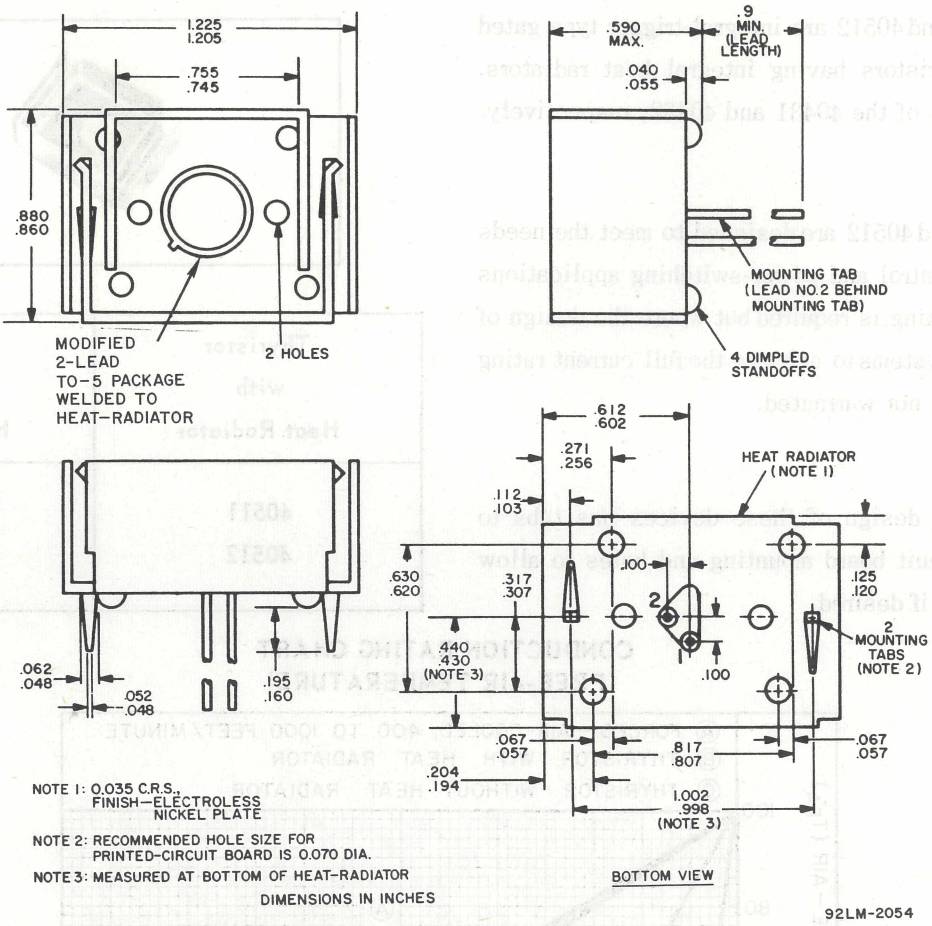
4/67

DIMENSIONAL OUTLINE



TERMINAL CONNECTIONS

Lead 1: Main Terminal 1

Lead 2: Gate

Radiator, Case: Main Terminal 2

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